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AFCEA



*A-Grams are
products of
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TARGET AUDIENCE: Engineering & Maint. Engineering flights

AFQTP—Survey-Grade GPS

Synopsis

There is a new Air Force Qualification Training Package available for survey-grade equipment that uses the Global Positioning System (GPS). The Air Force has selected the Trimble 5700 system to provide the engineering career field the capability of performing GPS surveys with sub-centimeter accuracy. Ideal for control, measurement, design, and stakeout for construction, the Trimble 5700 system will enable engineers to quickly and accurately lay out utility systems and shelters in austere locations. The equipment is in the Survey-Grade GPS UTC 4F9GP. Most units that have engineers on their UTCs have received the equipment.

Course Details

This course is designed to provide engineering personnel with basic GPS knowledge and the skills necessary to assemble and operate the Trimble 5700 system. It also provides a broad overview of the computer programs used to process data collected in the field.

The course provides information on how to use the Online Position User Service, which is run by the National Geodetic Survey office. This service allows surveyors with a .mil e-mail address to submit survey data over the Internet and have it processed to give a position determination anywhere in the world.

Course Description

This course is available as a Web-based program at <https://golearn.csd.disa.mil/>. There are six lessons: Introduction to GPS and the Trimble 5700 system, Trimble 5700 System Setup, Surveying Concepts, Practical Surveying, GPS System Associated Software, and Survey Data Processing. Each lesson will take 1–2 hours to complete. Students completing this course will receive a training certificate.

Features and Benefits

The Trimble 5700 System is new to the Air Force. This program will provide standardized training and give operators in the field a common core of knowledge. The program can be accessed from any location that has Internet capability and will allow the student to review specific training areas at any time.

Training Requirement

Training will be mandatory after the draft Specialty Training Standard (STS) from the 3E5X1 Utilization and Training Workshop is published. After the new STS takes effect, you will be required to take a final exam through CerTest to get credit for the course.

Access the Program

Go to <https://golearn.csd.disa.mil> and register. After completing registration, sign in and go to “My Courses.” Click on “INFO.” On the right, select “Survey-Grade GPS Course - Trimble 5700 Total Station System.” Take the course and you will be well on your way to a greater understanding of this new technology.

